



REMARKS

The enclosed references are apparently cumulative of prior US patents considered relative enough to be useful to the examiner.

No extensive art search has been made. The Patent Office data base was used to locate the "safety" and "elevator" related patents.

Reference A, 4,878,705 to David C. Arnquist issued 11/07/1989 contains limitations, note claim 1 (b) and 1 (c), the present invention does not address and cannot accept. The limitations relate to sensing the presence, or absence, of an object. Claim 7 has provisions for actions 1 (b), (c), and (d) not applicable to the present invention. Those limitations are similar to claim 1 but add a solenoid actuation.

Reference B, 6,386,282 issued to Manfred Jansch on 05/14/2002 teaches (claim 1) apparatus elements to control actuation of clamping wedges in elevators and spiders. The present invention has no means to actuate the wedges or to control the actuators themselves. Claim 10, the other independent, teaches safety switches that are actuated in response to particular ranges of diameters of pipe string elements being worked. The present invention does not address reactions to pipe string diameters.

Reference C, 5,791,410 issued to Castille et al on 08/11/1998 pertains to fluid power circuits and controls to coordinate their appropriate actions for safety purposes relative to elevator and spider actuators. The present invention does not teach fluid power controls as such.

Reference D, 5,909,768 issued to Castille et al on 06/08/1999 has the limitation of assuring cooperation of elevator and spider clamping actions. The present invention has no such limitation.
Respectfully submitted,

A handwritten signature in black ink, appearing to read "John D. Jeter".

John D. Jeter
agents license 27,486